**BRUHATH BANGALORE MAHANAGARA PALIKE ,DASRAHALLI ZONE**
**Office Of The Executive Engineer, Dasarahalli Division**

# SCHEDULE-B

**AME OF THE WORK :** Improvements to Roads And Drains At Mallasandra Colony urrounding Area In Ward No.13 Shettyhalli Sub Division

| SI No | Description Of Work | Unit | Qty | Rate To Be Sanctioned | |
|---|---|---|---|---|---|
| | | | | In Figures (Rs) | In Words (Rs) |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification | Cum | 538.65 | 137.80 | Rupees One Hundred Thirty Seven And Paise Eighty Only |
| 2 | Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. | Cum | 126.72 | 5509.33 | Rupees Five Thousand Five Hundred Nine And Paise Thirty Three Only |
| 3 | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm | Cum | 116.61 | 7189.42 | Rupees Seven Thousand One Hundred Eighty Nine And Paise Forty Two Only |
| 4 | Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications. | Tonne | 8.97 | 72326.98 | Rupees Seventy Two Thousand Three Hundred Twenty Six And Paise Ninety Eight Only |
| 5 | Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate) | Sqm | 231.30 | 1615.00 | Rupees One Thousand Six Hundred Fifteen Only |

EXECUTIVE ENGINEER-4
BBMP DIVISION
BENGALURU-560 010

Signature Of The Contractor

Executive Engineer
Dasarahalli Division

19/12/2020

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|---|---|---|---|---|---|
| | | | | In Figures (Rs) | In Words (Rs) |
| | 2 | 3 | 4 | 5 | 6 |
| 6 | Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. (Data Rate) | Cum | 48.15 | 3674.00 | Rupees Three Thousand Six Hundred Seventy Four Only |
| 7 | Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. | Sqm | 7.00 | 952.94 | Rupees Nine Hundred Fifty Two And Paise Ninety Four Only |
| 8 | Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. | Cum | 859.05 | 95.40 | Rupees Ninety Five And Paise Forty Only |
| 9 | Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 | Sqm | 1089.17 | 6.36 | Rupees Six And Paise Thirty Six Only |
| 10 | Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. | Cum | 187.14 | 2001.28 | Rupees Two Thousand One And Paise Twenty Eight Only |

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ARIBE, BBMP DIVISON
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| | 2 | 3 | 4 | 5 | 6 |
| 11 | Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) | Cum | 125.39 | 5354.02 | Rupees Five Thousand Three Hundred Fifty Four And Paise Two Only |
| 12 | Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. | Sqm | 835.94 | 72.08 | Rupees Seventy Two And Paise Eight Only |
| 13 | Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications. | Sqm | 475.20 | 28.62 | Rupees Twenty Eight And Paise Sixty Two Only |
| 14 | Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen | Cum | 23.76 | 6597.44 | Rupees Six Thousand Five Hundred Ninety Seven And Paise Forty Four Only |

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KRIDL, BBMP DIVISON
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Dasarahalli Division

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|---|---|---|---|---|---|
| | | | | In Figures (Rs) | In Words (Rs) |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 15 | Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. | Sqm | 1081.80 | 5.30 | Rupees Five And Paise Thirty Only |
| 16 | Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications | Sqm | 1081.80 | 12.72 | Rupees Twelve And Paise Seventy Two Only |
| 17 | Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4 % VG-30 Bitumen | Cum | 43.27 | 7590.66 | Rupees Seven Thousand Five Hundred Ninety And Paise Sixty Six Only |
| 18 | Removal of Unserviceable Soil with Disposal KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301 (P.No.144 & I.No.19.20 PWD 18-19) | Cum | 538.65 | 34.98 | Rupees Thirty Four And Paise Ninety Eight Only |
| 19 | KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1 (P.No.136 & I.No.17.1 PWD 18-19) | Cum | 62.84 | 57.00 | Rupees Fifty Seven Only |
| 20 | KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-I : Surface Road (P.No.136 & I.No.17.4 PWD 18-19) | t.km | 601.49 | 25.60 | Rupees Twenty Five And Paise Sixty Only |

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